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		Applicant: Stefan Schorling	
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U.S. PATENT DOCUMENTS

DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE
4,458,066	07/03/84	Caruthers, et al.	536	27	03/24/81
4,996,143	02/26/91	Heller, et al.	435	6	04/13/90
5,130,238	07/14/92	Malek, et al.	435	91	08/23/89
5,210,015	05/11/93	Gelfand, et al.	435	6	08/06/90
5,386,024	01/31/95	Kacian, et al.	536	25.4	02/10/93
5,478,972	12/26/95	Mizutani, et al.	174	250	08/25/94
5,487,972	01/30/96	Gelfand, et al.	435	6	01/05/93
5,565,322	10/15/96	Heller, M	435	6	11/6/92
5,585,254	12/17/96	Maxwell, et al.	435	172.3	04/02/93
5,804,375	09/08/98	Gelfand, et al.	435	6	04/25/95
5,849,489	12/15/98	Heller, M	435	6	08/23/96
6,103,476	08/15/00	Tyagi, et al.	435	6	03/15/99
6,162,603	12/19/00	Heller, M	435	6	07/28/98
6,174,670 B1	01/16/01	Wittwer, et al.	435	6	06/04/97
6,183,999 B1	02/06/01	Weimer, et al.	435	91.2	11/24/98
6,268,349 B1	07/31/01	Hirschman, S	514	44	04/15/97
6,274,307 B1	08/14/01	Soutschek, et al.	435	5	05/15/97
6,395,472 B1	05/28/02	Leary, et al.	435	5	02/05/99

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
19	PCT/EP2005/001243 Search Report	05/31/05	PCT				
20	37 24442 A1	02/02/89	DE				
21	37 34442 A1	04/27/89	DE				
22	0 238 893 B1	03/02/87	EP				
23	0 439 182 B1	01/25/91	EP				
24	04 - 88985	03/23/92	JP				X
25	11-221099	08/17/99	JP				X
26	WO 90/01069	02/08/90	PCT				

<i>MCS</i>	27	WO 91/04330	04/04/91	PCT				
	28	WO 91/12079	08/22/91	PCT				
	29	WO 92/02208	05/29/92	PCT				
	30	WO 96/09391	03/28/96	PCT				
	31	WO 96/41811	12/27/96	PCT				
	32	WO 98/04730	02/05/98	PCT				
	33	WO 99/16781	04/08/99	PCT				
	34	WO 99/28439	06/10/99	PCT				
	35	WO 00/24917	05/04/00	PCT				
	36	WO 01/06019 A2	01/25/01	PCT				
	37	WO 01/14593 A2	03/01/01	PCT				
	38	WO 01/37291 A1	05/25/01	PCT				
	39	WO 02/00924 A2	01/03/02	PCT				
	40	WO 03/002753 A2	01/09/03	PCT				
<i>✓</i>	41	WO 2005/075686 A1	08/18/05	PCT				
<i>MCS</i>	42	2 146 372 C1 (abst. only)	10/03/00	RU				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MCS</i>	43	Abramson, R., et al., 1993, "Nucleic acid amplification technologies", <i>Analytical Biotechnology</i> , 4:41-47
	44	Alderton, R., et al., 1992, "Magnetic Bead Purification of M13 DNA Sequencing Templates", <i>Analytical Biotechnology</i> , 201:166-169
	45	Anderson, M., et al., "Letters to the Editor: Human Parvovirus, The Cause of Erythema Infectiosum (Fifth Disease)?", <i>The Lancet</i> , June 18, 1983, p. 1378
	46	Astell, C., et al., 1987, "Structural and Functional Homology of Parvovirus and Papovavirus Polypeptides", <i>J.gen.Viro.</i> , 68: 885-893
	47	Aubin, J., et al., 2000, "Large-Scale Screening for Human Parvovirus B19 DNA by PCR: Application to the Quality Control of Plasma for Fractionation", <i>Vox Sang</i> , 78:7-12
	48	Ausubel, F., et al., 2000, "Current Protocols in Molecular Biology", Supplement 55, 1:1-11
	49	Barany, F., 1991, "The Ligase Chain Reaction in a PCR World", <i>PCR Methods and Applications</i> , 1:5-16
	50	Barany, F., 1991, "Genetic disease detection and DNA amplification using cloned thermostable ligase", <i>Proc. Natl. Acad Sci</i> , 88:189-193
	51	Beaucage, S., et al., 1981, "Deoxynucleoside Phosphoramidites - A New Class of Key Intermediates for Deoxypolynucleotide Synthesis", <i>Tetrahedron Letters</i> , 22(20):1859-1862
<i>✓</i>	52	Boom, R., et al., 1990, "Rapid and Simple Method for Purification of Nucleic Acids", <i>Journal of Clinical Microbiology</i> , 28(3):495-503

<i>Max</i>	53	Brown, E., et al., 1979, "Chemical Synthesis and Cloning of a Tyrosine tRNA Gene" <i>Methods in Enzymology</i> , 68(8):109-151
	54	Brown, K., 2000, "Haematological Consequences of Parvovirus B19 Infection", <i>Bailliere's Clinical Haematology</i> , 13(2):245-259
	55	Carriere, C., et al., 1993, "Rapid and sensitive method for the detection of B19 virus DNA using the polymerase chain reaction with nested primers", <i>Journal of Virological Methods</i> , 44:221-234
	56	Cohen, B., 1995, "Parvovirus B19: an expanding spectrum of disease", <i>BMJ</i> , 311:1549-1552
	57	Cotmore, S., et al., 1986, "Identification of the major Structural and nonstructural Proteins Encoded by Human Parvovirus B19 and mapping of Their genes by Prokaryotic Expression of Isolated Genomic Fragments", <i>Journal of Virology</i> , 60(2):548-557
	58	Cubie, H., et al., 1995, "Dot-blot hybridization assay for detection of parvovirus B19 infections using synthetic oligonucleotides", <i>Molecular and Cellular Probes</i> , 9:59-66
	59	Dorsch, S., et al., 2001, "The VP1-unique region of parvovirus B19: amino acid variability and antigenic stability", <i>Journal of General Virology</i> , 82:191-199
	60	Düx, S., et al., 2002, "Parvovirus B19 Myocarditis in a young man with Previous non-bacterial meningitis", <i>Dtsch Med Wochenschr</i> , 127:1584-1588
	61	Enders, G., et al., 1998, "Life-Threatening Parvovirus B19-Associated Myocarditis and Cardiac Transplantation as Possible Therapy: Two Case Reports", <i>Clinical Infectious Diseases</i> , 26:355-358
	62	Enders, G., "Viral Infections of the Fetus Neonate, other than Rubella", Topley & Wilson's Microbiology and Microbial Infections, 9 th Ed., by Collier, L., et al., Arnold Publishers 1998, pp 873-915
	63	Erdman, D., et al., 1996, "Genetic diversity of human parvovirus B19: sequence analysis of the VP1/VP2 gene from multiple isolates", <i>Journal of General Virology</i> , 77:2767-2774
	64	Garegg, P., et al., 1985, "Formation of Internucleotidic Bonds via Phosphonate Intermediates", <i>Chemica Scripta</i> , 25:280-282
	65	Gruber, F., et al., 2001, "Quantitation of Viral DNA by Real-Time PCR Applying Duplex Amplification, Internal Standardization, and Two-Color Fluorescence Detection", <i>Applied and Environmental Microbiology</i> , 67(6):2837-2839
	66	Guatelli, J., et al., 1990, "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication", <i>Proc. Natl. Acad. Sci. USA</i> , 87:1874-1878
	67	Harder, T., et al., 2001, "New LightCycler PCR for Rapid and Sensitive Quantification of Parvovirus B19 DNA Guides Therapeutic Decision-Making in Relapsing Infections", <i>Journal of Clinical Microbiology</i> , 39(12): 4413-4419
	68	Hemauer, A., 1996, "Sequence variability among different parvovirus B19 isolates", <i>Journal of General Virology</i> 77:1781-1785
	69	Hicks, K., 1996, "Sequence analysis of a parvovirus B19 isolate and baculovirus expression of the non-structural protein", <i>Archives Virology</i> , 141:1319-1327
	70	Holloway, B., 1993, "An exonuclease-amplification coupled capture technique improves detection of PCR product", <i>Nucleic Acids Research</i> , 21(16):3905-3906
	71	Jakobi, R., 1988, "Filter-Supported Preparation of λ Phage DNA", <i>Analytical Biochemistry</i> 175:196-201
	72	Jordan, J., 1996, "Exonuclease-released Fluorescence Detection of Human Parvovirus B19

		DNA, <i>Molecular Diagnosis</i> , 1(4):321-328
MEB	73	Junkind, D., 2001, "Automation of laboratory testing for infectious diseases using the polymerase chain reaction – our past, our present, our future", <i>Journal of Clinical Virology</i> , 20:1-6
	74	Kwoh, D., 1989, "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format", <i>Proc. Natl. Acad. Sci. USA</i> , 86:1173-1177
	75	Marko, M., 1982, "A Procedure for the Large-Scale Isolation of Highly Purified Plasmid DNA Using Alkaline Extraction and Binding to Glass Powder", <i>Analytical Biochemistry</i> , 121:382-387
	76	Müller, J., et al., 2002, "Development and Validation of a Real-Time PCR Assay for Routine testing of Blood Donations for Parvovirus B19 DNA", <i>Infus Ther Transus Med</i> , 29:254-258
	77	Narang, S., et al., 1979, "Improved Phosphotriester Method for the Synthesis of Gene Fragments", <i>Methods in Enzymology</i> , 68(6):90-98
	78	Nguyen, Q., et al., 2002, "Identification and Characterization of a Second Novel Human Erythrovirus Variant, A6", <i>Virology</i> , 301:374-380
	79	Ozawa, K., et al., 1988, "Functional Mapping of the Genome of the B19 (Human) Parvovirus by In Vitro Translation after Negative Hybrid Selection", <i>Journal of Virology</i> , 62(7):2508-2511
	80	Pattison, J., et al., 1981, "Parvovirus Infections and Hypoplastic Crisis in Sickle-Cell Anaemia", <i>The Lancet</i> , March 21, 1998, pp 664-665
	81	Sambrook, J., et al., 1989, "Molecular Cloning A Laboratory Manual", CSH, 2 nd Edition. Cold Spring Harbor Laboratory Press.
	82	Sato, K., et al., 2000, "Development of a Hypersensitive Detection Method for Human Parvovirus B19 DNA", <i>Journal of Clinical Microbiology</i> , 38(3):1241-1243
	83	Schmidt, J., et al., 2001, "Parvovirus B19 DNA in plasma pools and plasma derivatives", <i>Vox Sanguinis</i> , 81:228-235
	84	Schorling, S., et al., 2004, "Quantification of Parvovirus B19 DNA using COBAS AmpliPrep Automated Sample Preparation and LightCycler real-Time PCR", <i>Journal of Molecular Diagnostics</i> , 6(1):37-41
	85	Servant, A., et al., 2002, "Genetic Diversity within Human Erythroviruses: Identification of Three Genotypes", <i>Journal of Virology</i> , 76(18):9124-9134
	86	Shade, R., et al., 1986, "Nucleotide Sequence and Genome Organization of Human Parvovirus B19 Isolated from the Serum of a Child during Aplastic Crisis", <i>Journal of Virology</i> , 58(3):921-936
	87	Stelzl, E., et al., 2002, "Evaluation of an Automated Sample Preparation Protocol for Quantitative Detection of Hepatitis C Virus RNA", <i>Journal of Clinical Microbiology</i> , 40(4):1447-1450
	88	Takahashi, N., et al., 1999, "Genetic heterogeneity of the immunogenic viral capsid protein region of human parvovirus B19 isolates obtained from an outbreak in a pediatric ward", <i>FEBS Letters</i> , 450:289-293
	89	Turton, J., et al., 1990, "Similarities in nucleotide sequence between serum and faecal human parvovirus DNA", <i>Epidemiol. Infect.</i> , 105:197-201
	90	Uhlmann, E., et al., 1990, "Antisense Oligonucleotides: A New Therapeutic Principle", <i>ChemicalReviews</i> , 90(4):544-584
↓	91	Umena, K., et al., 1995, "A new genome type of human parvovirus B19 present in sera of patients with encephalopathy", <i>Journal of General Virology</i> , 76:2645-2651

WJS	92	Vassias, I., et al., 1993, "An in situ hybridization technique for the study of B19 human parvovirus replication in bone marrow cell cultures", <i>Journal of Virological Methods</i> , 44:329-338
	93	Verma, S., et al., 1998, "Modified Oligonucleotides: Synthesis and Strategy for Users", <i>Annu. Rev. Biochem.</i> , 67:99-134
	94	Vogelstein, B., et al., 1979, "Preparative and analytical purification of DNA from agarose", <i>Proc. Natl. Acad. Sci. USA</i> , 76(2):615-619
	95	Walsh, C., "Acyl Transfers to Water: Endopeptidases and Exopeptidases", Enzymatic Reaction Mechanisms, W.H. Freeman and Company San Francisco, Ch. 3 53-107
	96	Whelen, A., et al., 1996, "The Role of Nucleic Acid Amplification and Detection in the Clinical Microbiology Laboratory", <i>Annu. Rev. Microbiol.</i> , 50:349-373
	97	Wu, D., et al., 1989, "The Ligation Amplification Reaction (LAR) - Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation", <i>Genomics</i> , 4:560-569
	98	Yoto, Y., et al., 1996, "Human parvovirus B19 infection associated with acute hepatitis", <i>The Lancet</i> , 347:868-870
EXAMINER	DATE CONSIDERED	

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Drawline through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.